

Converting Colors

$Y_{xy}(23.6364, 0.2782, 0.4406)$

Have a look what the booklet for
Yxy(23.6364, 0.2782, 0.4406)
contains.

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Color

Yxy(23.6364, 0.2782, 0.4406)

Conversions

Conversions Part 1

Format	Color
Hex	3C9661
RGB	60, 150, 97
RGB Percent	24%, 59%, 38%
CMY	0.7650, 0.4117, 0.6196
CMYK	0.60, 0.00, 0.35, 0.41
HSL	145°, 43%, 41%
HSV	145°, 60%, 59%
XYZ	14.9243, 23.6364, 15.0852
YIQ	117.0480, -36.6270, -35.5630

Conversions

Conversions Part 2

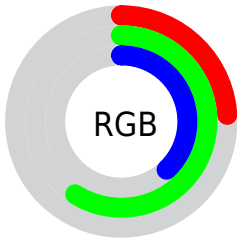
Format	Color
RYB	60, 124, 150
Decimal	3970657
CIELab	55.72, -39.40, 20.17
CIELCh	56, 44.262, 152.891
Yxy	23.6364, 0.2782, 0.4406
Android (android.graphics.Color)	4282160737 (0xFF3C9661)
YUV	117.0480, -9.8837, -50.0311
Hunter-Lab	48.6173, -30.2852, 15.6353

Details

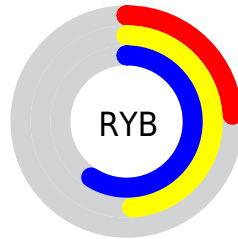
The Yxy color **23.6364, 0.2782, 0.4406** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.9001, 0.3826, 0.2429**, and the grayscale version is **17.8393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5138, 0.2873, 0.4138**, and **8.9657, 0.2687, 0.4874** is the 20% darker color. If you saturate the color by 10%, you get **23.0795, 0.2760, 0.4631**, and if you desaturate by 10%, it is **24.3459, 0.2819, 0.4186**.

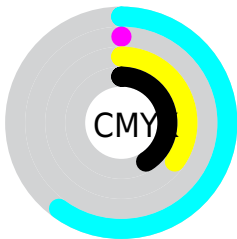
Distribution



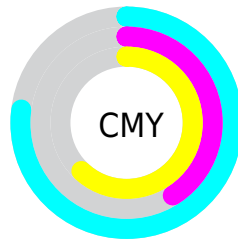
- Red (24%)
- Green (59%)
- Blue (38%)



- Red (24%)
- Yellow (49%)
- Blue (59%)



- Cyan (60%)
- Magenta (0%)
- Yellow (35%)
- Black (41%)




- Cyan (77%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6364, 0.2782, 0.4406 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 23.6364, 0.2782, 0.4406 by changing the saturation by 10% instead.


 23.6364, 0.2782,
0.4406


 23.6364, 0.2782,
0.4406


270.9771, 0.2993,
0.3749


 15.0641, 0.2711,
0.4614


 49.4362, 0.2870,
0.4138

 8.8644, 0.2606,
0.4914


 67.4325, 0.2900,
0.4046


 4.6528, 0.2436,
0.5381

 89.3390, 0.2923,
0.3973

 2.0450, 0.2149,
0.6346

 115.5399, 0.2942,
0.3912

 0.6334, 0.0000,
1.0000

 146.4199, 0.2958,
0.3861

 0.0000, 0.0000,
0.0000

182.3631, 0.2971,

0.3818

223.7540, 0.2983,
0.3781

■ 23.6364, 0.2782,
0.4406

■ 23.6364, 0.2782,
0.4406

■ 23.0795, 0.2760,
0.4631

■ 24.3459, 0.2819,
0.4186

■ 22.6603, 0.2756,
0.4854

■ 25.2159, 0.2868,
0.3975

■ 22.3655, 0.2769,
0.5066

■ 26.2572, 0.2926,
0.3779

■ 22.1607, 0.2795,
0.5263

■ 27.4786, 0.2990,
0.3599

■ 28.8885, 0.3058,
0.3436

■ 30.4946, 0.3127,
0.3291

■ 32.3043, 0.3196,
0.3162

■ 34.3246, 0.3263,
0.3048

■ 36.5620, 0.3328,
0.2948

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.6364, 0.3520, 0.4721



23.6364, 0.2782, 0.4406



23.6364, 0.2178, 0.3640

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.6364, 0.2782, 0.4406



23.6364, 0.2069, 0.2130



23.6364, 0.4599, 0.3442

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.6364, 0.2782, 0.4406



10.9001, 0.3826, 0.2429

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.6364, 0.4114, 0.2898



23.6364, 0.2782, 0.4406



23.6364, 0.2595, 0.2181

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.6364, 0.2782, 0.4406



23.6364, 0.1817, 0.2340



23.6364, 0.3342, 0.2454



23.6364, 0.4608, 0.4011

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.6364, 0.2782, 0.4406



23.6364, 0.1924, 0.3094



23.6364, 0.3342, 0.2454



23.6364, 0.4486, 0.3254

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.6374, 0.2782, 0.4406



48.8847, 0.3001, 0.3570



25.7172, 0.3546, 0.4887



10.6960, 0.2984, 0.3616



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.6374, 0.2782, 0.4406



40.4492, 0.2757, 0.4707



24.6974, 0.2464, 0.3463



6.5056, 0.3064, 0.3423



18.3831, 0.2791, 0.5249



0.2306, 0.2560, 0.4415

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.9001, 0.3826, 0.2429



15.8941, 0.4063, 0.2306



10.1382, 0.4744, 0.3151



5.8692, 0.3196, 0.3161



5.9722, 0.4548, 0.2279



0.0790, 0.3835, 0.1886

Previews

White Background



This preview shows how the Yxy color 23.6364, 0.2782, 0.4406 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 23.6364, 0.2782, 0.4406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.6364, 0.2782, 0.4406

Background



This preview shows how black text looks on a background with the Yxy color 23.6364, 0.2782, 0.4406.



This preview shows how white text looks on a background with the Yxy color 23.6364, 0.2782, 0.4406.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.6364, 0.2782, 0.4406

Protanopia

23.4425, 0.3733, 0.4026

Deuteranopia

23.2060, 0.3779, 0.3701



Tritanopia

23.5893, 0.2443, 0.3065

Trichromacy



Original Color

23.6364, 0.2782, 0.4406



Protanomaly

22.7663, 0.3301, 0.4171



Deuteranomaly

22.3130, 0.3334, 0.3947



Tritanomaly

23.6186, 0.2564, 0.3525

Monochromacy



Original Color

23.6364, 0.2782, 0.4406



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

19.3131, 0.2952, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6364, 0.2782, 0.4406 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(60, 150, 97)` looks like.

```
.text, #text, p{  
    color:rgb(60, 150, 97)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(60, 150, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 150, 97) }
```

Border

The CSS property to change the border of an element to Yxy 23.6364, 0.2782, 0.4406 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(60, 150, 97) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(60, 150, 97) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(60, 150, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 150, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 150, 97);  
box-shadow:4px 4px 4px 4px rgb(60, 150,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6364, 0.2782, 0.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 150, 97) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(60, 150,  
97) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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